

CLAIMS:

1. Frame member (2) for an aircraft, comprising:
 - 5 a clip region (4); and
 - a frame region (6);

wherein the clip region (4) and the frame region (6) are integral.
2. The frame member (2) of claim 1,
 - 10 wherein a plurality of clip regions (4) are provided forming a shear web region (16); and
 - wherein the clip region (4), the shear web region (16) and the frame region (6) are formed as one piece.
- 15 3. The frame member (2) of one of claims 1 and 2,
 - wherein the frame member (2) is formed from one extrusion molded profile (46).
4. The frame member (2) of claim 3,
 - 20 wherein the frame member (2) is formed from the one extrusion molded profile (46) by a milling process.
5. The frame member (2) of one of claims 1 to 4,
 - 25 wherein a cut out (12) is formed in at least one of the clip region (4), the shear web region (16) and the frame region (6) for accommodating at least one of electrical lines (48), pipes and system lines or for reduction of the weight.
6. The frame member (2) of claim 5,

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wherein the cut out (12) is provided with a border reinforcement (14); and
wherein the border reinforcement (14) is formed by milling.

7. The frame member (2) of one of claims 1 to 6,
 - 5 wherein the clip region (4) is adapted for connection to a stringer or skin of the aircraft.
 8. The frame member (2) of one of claims 2 to 7,
 - 10 wherein the shear web region (16) is also adapted for supporting a skin (8) of the aircraft.
 9. Aircraft comprising a frame member (2) according to one of claims 1 to 8.
 10. A method of manufacturing a frame member (2) having a clip region (4), a shear web region (16) and a frame region (6), the method comprising the steps of:
 - 15 manufacturing a mold (46); and
 - forming the clip region (4), the shear web region (16) and the frame region (6) of the frame member (2) by a milling of the mold (46).
 - 20 11. The method of claim 10,
 - wherein the mold (46) is manufactured by extrusion molding.
 12. The method of one of claims 10 and 11,
 - 25 wherein at least one of the clip region (4), the shear web region (16) and the frame region (4) has varying first dimensions varying between a minimum and a maximum; and
 - wherein the mold (46) is manufactured such that a second dimension of the mold essentially coincides with the maximum.

13. The method of one of claims 10 to 12,
wherein the mold (46) is bent by a stretch forming process; and
wherein, subsequently to the stretch forming process, the milling is performed
5 for forming the frame member (2).